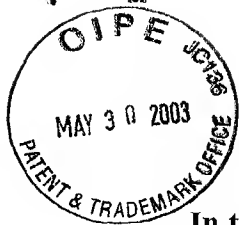


06-02-03

1645



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Case No. 00-658-A)

In the Application of:

Shutter et al.

Serial No.: 09/995,542

Filing Date: November 28, 2001

For: ATP-Binding Cassette Transporter-Like
Molecules and Uses Thereof

Examiner: To be Assigned

Group Art Unit: 1645

TRANSMITTAL LETTER

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

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Dear Sir:

In regard to the above identified application,

1. We are transmitting herewith the attached:

- a) Supplemental Information Disclosure Statement
- b) PTO Form 1449; and cited references
- c) Return postcard

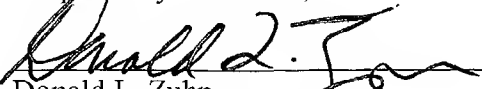
2. With respect to fees:

- a) No fees are required
- b) Please charge any underpayment or credit any overpayment our Deposit Account, No. I3-2490.

3. CERTIFICATE OF MAILING UNDER 37 CFR § 1.8: The undersigned hereby certifies that this Transmittal Letter and the paper, as described in paragraph 1, are being deposited with the United States Postal Service via Express Mail to Commissioner for Patents, PO Box 1450, Alexandria, VA 22313 on May 30, 2003.

Date: 30 May 2003

Respectfully submitted,


Donald L. Zuhn.
Registration No. 48,710



PATENT

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Dear Sir:

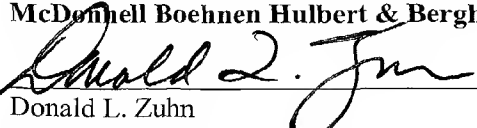
Pursuant to 37 C.F.R. Section 1.97 - 1.99, the Applicant wishes to make the following references of record in the above-identified application. This Information Disclosure Statement is in compliance with the continuing duty of candor as set forth in 37 C.F.R. Section 1.56. Copies of the references cited below are enclosed. These references are also listed on the enclosed PTO Form 1449.

In the judgment of the undersigned, portions of the listed references may be material to the Examiner's consideration of the presently pending claims. This statement is not a representation that the listed references have effective dates early enough to be "prior art" within the meaning of 35 U.S.C. Section 102 or Section 103.

Applicants do not believe any fee is due with this submission. If this belief be in error and the Patent Office determines that the fee prescribed in the relevant portion of 37 C.F.R. Section 1.97 is applicable, the undersigned representative by his signature hereby authorizes any such fee to be debited from Deposit Account 13-2490.

Date: May 30, 2003

Respectfully submitted,
McDonnell Boehnen Hulbert & Berghoff


Donald L. Zuhn
Reg. No. 48,710

Supplement for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

Application No.	09/995,542
Filing Date:	11/28/2001
First Named Inventor	Shutter et al.
Group Art Unit	1645
Examiner Name	
Attorney Docket No.	00-658-A

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. 1	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. 1	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		DATABASE EMBL 'Online! KAMINSKI "Macrophage ABC transporter" retrieved from EBI Database accession no. Q9NR73 XP002239573 (2000-10-01)	
		DATABASE EMBL 'Online! BLUM "Hypothetical ATPase (fragment)" retrieved from EBI Database accession no. Q9NT80 XP002239653.	

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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC. 20231